## JAM 18 2015 SELECTION OF THE PROPERTY OF THE P

## 010025-01 040112 SeqList

SEQUENCE LISTING

```
<110> Kosan Biosciences, Inc.
      Santi, Daniel
Peck, Larry
      Dayem, Linda
      Kealey, James
<120> HETEROLOGOUS PRODUCTION OF POLYKETIDES
<130> 30062-20049.00
<140> US 09/699,136
<141> 2000-10-27
<150> US 60/161,414
<151> 1999-10-25
<150> US 60/161,703
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<150> US 60/206,082
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<170> FastSEQ for Windows Version 4.0
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<212> DNA
<213> Artificial Sequence
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<223> Isolated and recombinant form of the full
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atg agt aat gag gat ctt ttc atc tgt atc gat cac gtg gca tat gcg
                                                                                   48
Met Ser Asn Glu Asp Leu Phe Ile Cys Ile Asp His Val Ala Tyr Ala
tgc ccc gac gcc gac gag gct tcc aag tac tac cag gag acc ttc ggc
Cys Pro Asp Ala Asp Glu Ala Ser Lys Tyr Tyr Gln Glu Thr Phe Gly
20 25 30
                                                                                   96
tgg cạt gag ctc các cgc gag gag aac ccg gag cag gga gtc gtc gag
                                                                                  144
Trp His Glu Leu His Arg Glu Glu Asn Pro Glu Gln Gly Val Val Glu 35 40 45
atc atg atg gcc ccg gct gcg aag ctg acc gag cac atg acc cag gtt Ile Met Met Ala Pro Ala Ala Lys Leu Thr Glu His Met Thr Gln Val 50 55 60
                                                                                 192
cag gtc atg gcc ccg ctc aac gac gag tcg acc gtt gcc aag tgg ctt
                                                                                 240
Gln Val Met Ala Pro Leu Asn Asp Glu Ser Thr Val Ala Lys Trp Leu
                                                                                  288
gcc aag cac aat ggt cgc gcc gga ctg cac cac atg gca tgg cgt gtc
Ala Lys His Asn Gly Arg Ala Gly Leu His His Met Ala Trp Arg Val
85 90 95
```

								25-01								
gat Asp	gac Asp	atc Ile	gac Asp 100	gcc Ala	gtc Val	agc Ser	gcc Ala	acc Thr 105	ctg Leu	cgc Arg	gag Glu	cgc Arg	ggc Gly 110	gtg Val	cag Gln	336
ctg Leu	ctg Leu	tat Tyr 115	gac Asp	gag Glu	ccc Pro	aag Lys	ctc Leu 120	ggc Gly	acc Thr	ggc Gly	ggc Gly	aac Asn 125	cgc Arg	atc Ile	aac Asn	384
ttc Phe	atg Met 130	cat His	ccc Pro	aag Lys	tcg Ser	ggc Gly 135	aag Lys	ggc Gly	gtg Val	ctc Leu	atc Ile 140	gag Glu	ctc Leu	acc Thr	cag Gln	432
	ccg Pro	_		tga												447
<210> 2 <211> 148 <212> PRT <213> Artificial Sequence																
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	)> 2 Ser	Asn	Glu	Asp	Leu	Phe	Ile	Cys	Ile 10	Asp	His	Val	Ala	Tyr 15	Ala	
	Pro	Asp		Asp	Glu	Ala	Ser	Lys		Tyr	Gln	Glu		Phe	Gly	
Trp	His		20 Leu	His	Arg	Glu		Asn	Pro	Glu	Gln		val	Val	Glu	
Ile		35 Met	Ala	Pro	Ala		40 Lys	Leu	Thr	Glu	~ ~	45 Met	Thr	Gln	Val	
	50 Val	Met	Ala	Pro	Leu 70	55 Asn	Asp	Glu	Ser	Thr 75	val	Αla	Lys	Trp	Leu 80	
65 Ala	Lys	His	Asn	Gly		Ala	Gly	Leu			Met	Ala	Trp	Arg 95		
Asp	Asp	Ile		Ala	٧a٦	Ser	Ala	Thr	90 Leu	Arg	Glu	Arg	Gly 110		Gln	
Leu	Leu		100 Asp	Glu	Pro	Lys		Gly	Thr	Gly	Gly			Ile	Asn	
Phe	Met 130	115 His	Pro	Lys	Ser	Gly 135	120 Lys	Gly	Val	Leu	Ile 140	Glu	Leu	Thr	Gln	
Tyr 145	Pro	Lys	Asn													